CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 79-2

NPDES NO. CA0005371

WASTE DISCHARGE REQUIREMENTS FOR:

KAISER ALUMINUM AND CHEMICAL CORPORATION -
WIRE & CABLE PLANT, 1937 DAVIS STREET,
SAN LEANDRO, ALAMEDA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, hereinafter called the Board, finds that:

1. Kaiser Aluminum and Chemical Corporation, Wire and Cable Plant at 1937 Davis Street, San Leandro, hereinafter called the discharger, submitted a National Pollutant Discharge Elimination System (NPDES) Application for Permit to Discharge - Short Form C, dated October 23, 1978, requesting renewal of its NPDES Permit No. CA0005371 (Order No. 74-12) which expires February 22, 1979.

2. The discharger currently discharges an average of 0.06 MGD of rainfall runoff and industrial cooling water containing pollutants into a storm sewer which discharges into San Francisco Bay, a water of the United States, at the foot of Davis Street in the City of San Leandro. The plant has no liquid process wastes. Sanitary wastes are collected in a separate sewer system for discharge to the San Leandro municipal sewer system.

3. On April 8, 1975, the Board adopted a Water Quality Control Plan for the San Francisco Bay Basin. This plan contains water quality objectives for San Francisco Bay.

4. The beneficial uses of San Francisco Bay are:

   a. Recreation
   b. Fish migration and habitat
   c. Habitat and resting for waterfowl and migratory birds
   d. Industrial water supply
   e. Esthetic enjoyment
   f. Navigation

5. Effluent limitation and toxic effluent standards established pursuant to **Sections** 208(b), 301, 304, and 307 of the Federal Water Pollution Control Act and amendments thereto are applicable to the discharge.

6. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the proposed discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.

7. The Board in a public meeting heard and considered all comments pertaining to the discharge.

8. This Order shall serve as a National Pollutant Discharge Elimination System permit pursuant to Section 402 of the Federal Water Pollution Control Act, or amendments thereto, and shall take effect at the end of ten days from date of hearing provided the Regional Administrator, U. S. Environmental Protection Agency, has no objections.

9. The Board is not required to comply with the provisions of Chapter 3 (commencing with Section 21100) of Division 13 of the Public Resources Code (California Environmental Quality Act) as this is an NPDES permit and is exempt from such provisions per Section 13389 of the Water Code.

IT IS HEREBY ORDERED, Kaiser Aluminum & Chemical Corporation, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder and the provisions of the Federal Water Pollution Control Act, and regulations and guidelines adopted thereunder shall comply with the following:

A. Effluent Limitations

1. The discharge shall be limited to non-contact cooling water and unpolluted rainfall runoff.

2. The discharge of an effluent in excess of the following limits is prohibited:

Constituent	Units	30-Day Average	Daily Maximum
Total Suspended Solids	lbs/day (kg/day)	33 (15)	50 (23)
	mg/l	40	60
Oil & Grease	lbs/day (kg/day)	4.2 (1.9)	8.4 (3.8)
	mg/l	5	10
Temperature	^{o}F	100	100

Toxicity: survival of test fishes in 96-hour bioassays of the waste as discharged:

a) Any determination: 70% minimum

b) Average of any three or more consecutive determinations made in any year: 90% minimum

3. The discharge shall not have a pH of less than 7.0 nor greater than 8.5.

B. Receiving Water Limitations

1. The discharge shall not cause:

a. Floating, suspended, or deposited macroscopic particulate matter or foam, in waters of the State at any place;

b. Bottom deposits or aquatic growths at any place;

c. Alteration of temperature, turbidity, or apparent color beyond present natural background levels in waters of the State at any place;

d. Visible, floating, suspended or deposited oil or other products of petroleum origin in waters of the State at any place;

e. Toxicity in waters of the State at levels that impair any of the protected beneficial water uses or make aquatic life or wildlife unfit or unpalatable for human consumption.

2. This discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Regional Board or the State Water Resources Control Board as required by the Federal Water Pollution Control Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Federal Water Pollution Control Act, or amendments thereto, the Board will revise and modify this Order in accordance with such more stringent standards.

C. Provisions

1. The discharger shall file with the Board technical reports on self-monitoring work performed according to the detailed specifications contained in any monitoring and reporting program as directed by the Executive Officer.

2. The discharger shall notify the Board not later than 180 days in advance of implementation of any plans to alter production capacity of the product line of the manufacturing, producing, or processing facility by more than ten percent. Such notification shall include estimates of proposed production rate, the type of process, and projected effects on effluent quality. Notification shall include submittal of a new report of waste discharge and appropriate filing fee.

3. The discharger shall submit to the Board by January 30 of each year an annual summary of the quantities of all chemicals, listed by both trade and chemical names which are used for cooling and/or boiling water treatment and which are discharged.

4. This order includes all of the items in the attached "Standard Provisions Reporting Requirements and Definitions," dated April 1977, with the exception of item A.5.

5. This Order expires February 22, 1984, and the discharger must file a Report of Waste Discharge in accordance with Title 23, California Administrative Code, not later than 180 days in advance of such date as application for issuance of new waste discharge requirements.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on January 16, 1979.

FRED H. DIERKER
Executive Officer

Attachments:
Standard Provisions, Reporting
Requirements, & Definitions dated April 1977
Self-Monitoring Program

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM
FOR

Kaiser Aluminum & Chemical Corp. -

Wire and Cable Plant

1937 Davis Street, San Leandro

NPDES NO. CA 0005371

ORDER NO. 79-2

CONSISTS OF

PART A , dated January 1978

AND

PART B , dated 1/16/79

PART B

I. DESCRIPTION OF SAMPLING STATIONS

A. EFFLUENT

Station	Description
E-1	At any point between the point of discharge to the storm sewer which runs along the east side of the building and the point at which all wastes tributary to this system are present.
E-2	At any point between the point of discharge to the storm sewer which runs along the west side of the building and the point at which all wastes tributary to this system are present.

II. SCHEDULE OF SAMPLING AND ANALYSIS

A. The schedule of sampling and analysis shall be that given as Table I.

B. Results shall be reported as the flow-weighted mean of analyses conducted on samples collected at E-1 and E-2.

C. Samples taken for oil and grease analysis at sample station(s) E-1 and E-2 shall be grab samples at a frequency of every three months.

Oil and grease sampling shall consist of 3 grab samples taken at 8-hour intervals during the sampling day, with each grab being collected in a glass container and analyzed separately. Results shall be expressed as a weighted average of the 3 values, based upon the instantaneous flow rates occurring at the time of each grab sample.

If the plant is not staffed 24 hours per day or if the discharge does not occur continuously, then the three grab samples may be taken at approximately equal intervals during the period that the plant is staffed or during the period that discharge is made.

In the event that sampling for oil and grease once every two weeks or less frequently shows an apparent violation of the waste discharge permit 30-day average limitation (considering the results of one or two days's sampling as a 30-day average), then the sampling frequency shall be increased to weekly, so that a true 30-day average can be computed and compliance can be determined.

I, Fred H. Dierker, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 79-2.

2. Includes the following modification of Part A, dated January 1978:

   a. Excludes: paragraphs C.3, C.4, C.5.a, C.5.c, C.5.d, C.5.e, D.1, D.3, D.4, E.2.a, E.2.b, E.4, F.e, and F.g.

   b. Modifies paragraph F.3 to require that self-monitoring reports shall be filed for each calendar quarter by the 15th day after each report quarter ends.

3. Has been ordered by the Executive Officer on January 16, 1979 and becomes effective immediately.

4. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger and revisions will be ordered by the Executive Officer.

FRED H. DIERKER
Executive Officer

Attachment:
Table I

TABLE I

SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSES

SELF-MONITORING PROGRAM FOR NPDES #CA0005371

ORDER NO.

SAMPLING STATIONS	E-1 and E-2								
TYPE OF SAMPLES	C-24	G	O						
Flow Rate (mgd)	3M	3M							
Total Suspended Solids (mg/l and lbs/day)	3M								
Oil and Grease (mg/l and lbs/day)		3M							
Temperature (^{O}F)		3M							
Toxicity (% Survival)	3M								
pH (Units)		3M							
All Applicable Standard Observations			3M						

LEGEND

TYPES OF SAMPLES

G = Grab sample
C-24 = Composite sample - 24-hr.
O = observation

FREQUENCY OF SAMPLING

3M = Every 3 months